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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/733,917	12/11/2003	Joseph Michael Christie	1098c	8496

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EXAMINER	
PATEL, JATIN K	
ART UNIT	**PAPER NUMBER**
2609	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :12/27/05, 5/9/06, 10/18/06, 5/22/07.

Office Action Summary	Application No.	Applicant(s)	
	10/733,917	CHRISTIE ET AL.	
	Examiner	Art Unit	
	Jatin K. Patel	2609	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11 December 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *12/11/2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *See Continuation Sheet*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. The factual inquiries set forth in *Graham* **v.** *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

3. **Claims 1-4, 6-7, 11-14, and 16-17** are rejected under 35 U.S.C. 103(a) as being unpatentable over Doshi (US 6324179 Filing Date 12/21/1994) in view of Boese (US 5084816 01/28/92).

Regarding claim 1, telecommunication processing system comprising (Doshi teaches in fig 1); first signaling interface configured to receive first signaling message from narrowband network element (Doshi teaches in fig 1, box 100, column 4, lines 15-25 receipt of the telephone call from s1 element, communication between s1 and CO consider as narrowband network element); second signaling interface configured to transfer second signaling message

indicating route instruction to packet, wherein the packet network element receives the second signaling message, receives user communication transferred from the narrowband network element, and transfer the user communication over packet network in response to the second signaling message (Doshi teaches in fig 1, column 4 lines 40-50, IAM message).

Doshi does not teaches regarding message handler configured process the first signaling message to recognize a trigger, identify a communication service responsive to the trigger, obtain data to implement the communication service, and process the data to generate route instruction.

Boese teaches regarding message handler configured process the first signaling message to recognize a trigger, identify a communication service responsive to the trigger, obtain data to implement the communication service, and process the data to generate route instruction. (Fig 1, Column 1, lines 29-48).

Therefor it would have been obvious to one of ordinary skill in the art, to add SCP in Doshi's from Boese to get very high degree of fault tolerance communication system without complex hardware (Boese column 4, lines 33-40).

With respect to claim 2, the combination of Doshi and Boese teaches the communication system as applied to claim 1 above. Doshi further teaches first signaling interface comprise signaling system interface (Fig 1, LEC, CO to STP).

With respect to claim 3, the combination of Doshi and Boese teaches the communication system as applied to claim 1 above. Boese further teaches third signaling interface configure to transfer third signaling message to a database (third signaling message is querying signal to SCP database) and receive fourth signaling message from the database (fourth signaling message received from database in response to query), wherein fourth signaling message indicates the data to implement the communication service (Fig 2, box 280 and fig 6, box 650 Database, column 1 lines 30-48).

With respect to claim 4, the combination of Doshi and Boese teaches the communication system as applied to claim 3 above. Boese further teaches third signaling interface comprises a signaling system seven transaction capability application part interface (Fig 9A, SS7 physical link and TCAP box 780, Column 30 lines 50-68, Column 31 lines 1-5).

With respect to claim 6, the combination of Doshi and Boese teaches the communication system as applied to claim 1 above. Boese further teaches second signaling interface comprises an Ethernet interface (Fig 6 Ethernet link 516, column 22, lines 57-67).

With respect to claim 7, the combination of Doshi and Boese teaches the communication system as applied to claim 1 above. Boese further teaches to

implement the communication service comprises N00 service data (Column 23, lines 15-20).

Regarding claim 11, method of telecommunication processing system comprising (Doshi teaches in fig 1); receive first signaling message from narrowband network element (Doshi teaches in fig 1, box 100, column 4, lines 15-25 receipt of the telephone call s1 element, communication between s1 and CO consider as narrowband network element); receives second signaling message, receives user communication transferred from the narrowband network element, and transfer the user communication over packet network in response to the second signaling message (Doshi teaches in fig 1, column 4 lines 40-50, IAM message); wherein the telecommunication processing system is external to the narrowband network element and other network elements that transfer the user communication (Doshi teaches in fig 1, box 100).

Doshi does not teaches regarding processing the first signaling recognize a trigger, identify a communication service responsive to the trigger, obtain data to implement the communication service, and process the data to generate route instruction.

Boese teaches regarding processing the first signaling recognize a trigger, identify a communication service responsive to the trigger, obtain data to

implement the communication service, and process the data to generate route instruction (Fig 1, Column 1, lines 29-48).

Therefor it would have been obvious to one of ordinary skill in the art, to add SCP process in Doshi's from Boese to get very high degree of fault tolerance communication system without complex hardware processing method (Boese column 4, lines 33-40).

With respect to claim 12, the combination of Doshi and Boese teaches the communication system process as applied to claim 11 above. Doshi further teaches first signaling message comprises signaling system seven initial address message (column 4, lines 40-49).

With respect to claim 13, the combination of Doshi and Boese teaches the communication system process as applied to claim 11 above. Boese further teaches third signaling to a database (third signaling message is querying signal to SCP database) and receiving fourth signaling message from the database (fourth signaling message received from database in response to query) wherein the fourth signaling message indicate the data to implement to communication services (Fig 2, box 280 and fig 6, box 650 Database, column 1 lines 30-48).

With respect to claim 14, the combination of Doshi and Boese teaches the communication system as applied to claim 13 above. Boese further teaches third

signaling interface comprises a signaling system seven transaction capability application part messages (Fig 9A, SS7 physical link and TCAP box 780, Column 30 lines 50-68, Column 31 lines 1-5).

With respect to claim 16, the combination of Doshi and Boese teaches the communication system process as applied to claim 11 above. Boese further teaches second signaling message comprises an Ethernet interface (Fig 6 Ethernet link 516, column 22, lines 57-67).

With respect to claim 17, the combination of Doshi and Boese teaches the communication system process as applied to claim 11 above. Boese further teaches method to implement the communication service comprises N00 service data (Column 23, lines 15-20).

4. **Claim 5 and 15** are rejected under 35 U.S.C. 103(a) as being unpatentable over Doshi and Boese as applied to claim 1 above, and further in view of Hollenbach (US 5533115 Filing Date 11/04/94).

With respect to claim 5, the combination of Doshi and Boese teaches the communication system as applied to claim 1 above. Doshi and Boese does not teach the signaling interface comprises an IP interface. Furthermore, Hollenbach

(US 5533115 Filing Date 11/04/94) teaches about signaling interface comprises an IP interface (Fig 3 box 136, column 5 lines 15-18).

Therefor it would have been obvious to one of ordinary skill in the art, to add the signaling interface comprises an IP interface from Hollenbach to combine with Doshi and Boese to provide by means of instrumentalities (Column 2, lines 23-26).

With respect to claim 15, the combination of Doshi and Boese teaches the communication system process as applied to claim 11 above. Doshi and Boese does not teach the signaling messages comprises an IP messages. Furthermore, Hollenbach (US 5533115 Filing Date 11/04/94) teaches about signaling messages comprises an IP messages (Fig 3 box 136, column 5 lines 15-18).

Therefor it would have been obvious to one of ordinary skill in the art, to add the signaling messages comprises an IP messages from Hollenbach to combine with Doshi and Boese to provide by means of instrumentalities (Column 2, lines 23-26).

5. **Claims 8-10, 18-20** are rejected under 35 U.S.C. 103(a) as being unpatentable over Doshi and Boese as applied to claim 1 above, and further in view of Fischell (US 5394463 02/28/95) *.

With respect to claim 8-10, the combination of Doshi and Boese teaches the communication system as applied to claim 1 above. Doshi and Boese does not teach the communication service comprises VPN, dialed number mobility service data, and voice message platform. Furthermore, Fischell (US 5394463 02/28/95) teaches about communication service comprises VPN, dialed number mobility service data, and voice message platform (Fig 6, column 1 lines 13-20, column 5 lines 34-44).

Therefor it would have been obvious to one of ordinary skill in the art, to add communication service comprises VPN, dialed number mobility service data, and voice message platform from Fischell to combine with Doshi and Boese to provide additional services so that they received directly any trigger that is entered by the party they are serving, either calling or called (Column 9, lines 27-32).

With respect to claim 18-20, the combination of Doshi and Boese teaches the communication system process as applied to claim 11 above. Doshi and Boese does not teach the communication service comprises VPN, dialed number mobility service data, and voice message platform. Furthermore, Fischell (US 5394463 02/28/95) teaches about communication service comprises VPN, dialed number mobility service data, and voice message platform (Fig 6, column 1 lines 13-20, column 5 lines 34-44).

Therefor it would have been obvious to one of ordinary skill in the art, to add communication service process comprises VPN, dialed number mobility service data, and voice message platform from Fischell to combine with Doshi and Boese to provide additional services so that they received directly any trigger that is entered by the party they are serving, either calling or called (Column 9, lines 27-32).

Conclusion

The prior art made of record and relied upon consideration pertinent to applicant's disclosure.

*Christie (US 5825780) disclose regarding system and apparatus for telecommunication control.

*Christie (US 2003/0026278 A1) disclose regarding telecommunication system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jatin K. Patel whose telephone number is 571-270-1839. The examiner can normally be reached on 8-5 Mon-Fri Est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Garber can be reached on 571-272-2194. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JP